

ABSTRACT OF THE DISCLOSURE

In a multilayered recording medium, when a titanium oxide layer is formed using a sheet-type sputtering device, a transmittance significantly varies due to variations in thickness of the titanium oxide layer.

Therefore, according to the present invention, in the multilayered recording medium having the titanium oxide layer, a second dielectric layer composed of titanium oxide, or mainly composed of the same, is formed on a first dielectric layer composed of niobium oxide or silicon dioxide, or mainly composed of the same.

Further, when the sheet-type sputtering device is used, at least one chamber for promoting removal of water and oxygen from a substrate is provided between a load lock chamber and a chamber for forming a transmittance adjustment layer.